3rd RA Bill

SBR.000026

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

BR/000026/21-22

Division: Electrical (DASARAHALLY) 12/10/2021

Head of Account : P.0360 M&R to Street lights - Replacement of Hand bulbs etc

Job No 015-20-000017

Date: 12/10/2021

Sub- Division:

Bill Received No. .....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate) Operation and maintenance of street lights Package - D 4 Ward No 15 T Dasarahalli.

BILL Period:- 01-07-2021 to 30-09-2021 (3 months)

Contractor and Full Address:-M/s Manjunatha Electricals

Work Order No:- EE/(Elec)/DZ/TEND/WO/000007/2020-21

Reference to Agreement Date .....

Date:- 13-01-2021

Certified that the measurements were taken by me on 4/10/21 and recorded of pages 340392 to 394 of Measurement Book No. 3404 and that the work is satisfactorily executed.

Contractor

Officer in charge of work

JUNIOR ENGINEER (Ele)

Bruhath Bangalore Mahanagara Palike

Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 7/10/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

ASST. ENGINEER

Sub-division Officer

Bruhath Bangalore Mahanagara Palike

Dasarahalli Zone, Bangalore

[] Memorandum of Payment

21) Total value of work done or supplies as per account within Rs. 31390=00

22) Deduct amount to be held in reserve being .....percent

23) "

24) Deduct payment ; Balance

i) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....

Amount adjusted towards cash advance recovery of

ii) Payments cost store or other material supplied.

Now made recovery amount creditable to this/ other work

Amount paid on this bill cheque/cash

25) Balance being unpaid value of work done held in reserve

6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments

7) Net amount due to or from contractor

Unadjusted Items

8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied

I.T	3139=00
CGST	2803=00
SGST	2803=00
Lwc	3189=00
CBF	314=00
Fine	9900=00
Sump	6085=00
Total d 2	28183=00
Clg. amt:	285718=00

Contractors Signature

Received Rs.....(in words)

.....

by cash and adjustment of payment as per memorandum.

Witnesses :

1.

2.

Dated ..... Signature of contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer making payment

Audited and admitted for Rs. 313901=00

285718=00

Passed by Cheque for Rs.(For use in the office)

(Two lakh seventy five thousand seven hundred and eighteen Rupees only)

by adjustment Rs. 28183=00

Executive Engineer (Ele)

Bruhath Bangalore Mahanagara Palike

Dasarahalli Zone, Bangalore

Zonal Superintendent

Sl. No.	Description of Item	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
	Name of work:-Operation and maintenance of street lights Package - D 4 Ward No 15 7 Days/Work		Previously paid up for	Months		3 Months		Upto Date paid up for 8 Months 16 Days		
1	Operation and Maintenance of street lighting system including replacement of damaged/defused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 36/40 W fluorescent tube light street lighting system	Each	201 x 5 Months 16 Days	38620	201	34.84	21008.52	201 x 8 Months 16 Days	59630.79	
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 250/ 120 W LPMH light street lighting system	Each	1097 x 5 Months 16 Days	312655.81	1097	61.82	170630.82	1097 x 8 Months 16 Days	484286.13	
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 400 watts HPSV light street lighting system	Each	36 x 5 Months 16 Days	11286.07	36	56.83	6137.64	36 x 8 Months 16 Days	17423.71	
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 24 W LED light street lighting system	Each	1 x 8 Months 16 Days	246.73	1	44.79	134.19	1 x 8 Months 16 Days	380.92	
5	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 55 W LED light street lighting system	Each	97 x 5 Months 16 Days	31204.23	97	56.32	16971.12	97 x 8 Months 16 Days	48175.35	
6	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lighting system as detailed below Poles with 90 W LED light street lighting system.	Each	10 x 5 Months 16 Days	3862.85	10	70.03	2100.90	10 x 8 Months 16 Days	5963.75	
7	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M.S. Box with proper insulation etc., complete.		15 x 5 Months 16 Days	13102.71	15	169.36	7126.20	15 x 8 Months 16 Days	20228.91	
8	a Work to be carried out as per requirment & actuals and as per the directions of the in charge engineer Painting of existing Street lighting pole after scraping the old paint and painted with suitable colour enamel/silver paint including coping/footing of the pole c) Upto 8 Mtrs light pole	Each	0	0.00	0	699.71	0.00	0	0.00	
9	Moulded Case Circuit Breaker (MCCB) three pole 100Amps 25kA.		0	0.00	28	1657.98	46423.44	28	46423.44	
10	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Cu / Cu/ Al Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), dust proof dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP55 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx99mm		0		27	1252.94	33829.38	27	33829.38	

11	Timer or based system Three phase smart street light control and monitoring system Remotely control and one monitorable smart street light system by using web or mobile application ,smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management 2. Precise lighting (unit) 3. Load balancing 4. Load power regulation 5.Status packing. It works on the basis of some of these features 1) Main Control Unit(Master board).Heart as control,n data handling and other communication process. 2) Communication unit: GSM/GPRS quad band/s: RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable pulse for driving the thyristor 4) Switching Thyristor: SCR : 16 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware is to control , handle , process the data and communicate e wirelessly 6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.							
	TOTAL	0	0	3141.00	0.00	0	0.00
	Add GST 12 % on components 08 to 11	9052.82	41190.78 0.00		304271.01 9630.34		718166.78 9830.34
	TOTAL Rs		41190.78		313901.35		725793.12
	Fine imposed for non burning of street lights For the period of 01/7/2021 to 30/9/2021		22900.00		9900.00		32700.00
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scheduled		8237.50		6053.42		14323.92
	GRAND TOTAL		300856.88		297915.93		678772.84

Certificate

The above said monthly maintenance work has been carried out satisfactorily

JUNIOR ENGINEER (Elc)
Srishaith Bangalore Mahanagara Palike
Department ... Zone

ASST. EXECUTIVE ENGINEER (Elc)
Srishaith Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore